Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 8 to 16 km (meters)	Predicted Distances	
		To the 3.16 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
*			
0	153	16.9	29.5
45	150	16.8	29.3
90	115	14.6	26.0
135	65	11.0	19.6
180	58	10.4	18.5
225	52	9.8	17.4
270	74	11.7	20.9
315	133	15.7	27.8

*Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation of HAAT.

20. Environmental Statement *(See 47 C.F.R. Section 1.1301 et seq.)*

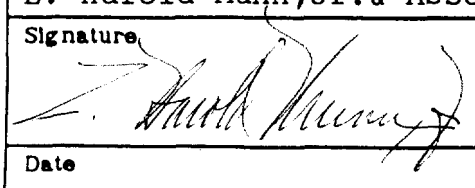
Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact? ☐ Yes ☒ No

If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311. Exhibit No.

If No, explain briefly why not. This application meets the requirements of OST Bulletin No. 65 and is categorically excluded from environmental processing pursuant to Section 1.1306 of the Commission's Rules, because it does not (1) involve a site location specified under Section 1.1307(a)(1)-(5); (2) involve high intensity lighting under Section 1.1307(a)(6); or, (3) result in human exposure to radio frequency radiation in excess of the applicable standards specified in Section 1.1307(b) of the Commission's Rules.

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name *(Typed or Printed)*	Relationship to Applicant *(e.g., Consulting Engineer)*
E. Harold Munn, Jr. & Associates, Inc.	Technical Consultant
Signature 	Address *(Include ZIP Code)* Box 220 Coldwater, MI. 49036
Date 12-05-1990	Telephone No. *(Include Area Code)* (517) 278-7339

ENGINEERING REPORT

NEW FM BROADCAST STATION

CHANNEL 288(A)

at

Brockport, New York

December, 1990

PREPARED BY:

E. HAROLD MUNN, JR. &
ASSOCIATES, INC.

ONE HUNDRED AIRPORT ROAD

COLDWATER, MICHIGAN 49036

(517) 278-7339

TABLE OF CONTENTS

E. HAROLD MUNN, JR.
& ASSOCIATES, INC.
Broadcast Engineering Consultants
Coldwater, Michigan

CERTIFICATION OF CONSULTANT

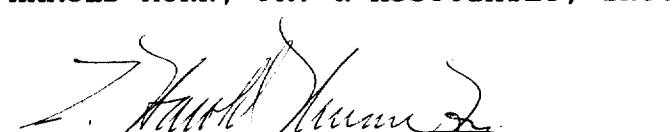
The firm of E. Harold Munn, Jr. & Associates, Inc., Broadcast Engineering Consultants, with offices at 100 Airport Drive, Coldwater, Michigan, has been retained for the purpose of preparing the technical data forming this report.

The report has been prepared by properly trained electronics specialists under the direction of the undersigned whose qualifications are a matter of record before the Federal Communications Commission.

I declare under penalty of perjury that the contents of this report are true and accurate to the best of my knowledge and belief.

E. HAROLD MUNN, JR. & ASSOCIATES, INC.

December 5, 1990

By 

E. Harold Munn, Jr., President

100 Airport Drive, Box 220
Coldwater, Michigan 49036

(517) 278-7339

DISCUSSION

This firm was retained to prepare the required engineering report in support of an application for a new FM Broadcast Station serving the area of Brockport, New York.

Channel 288(A), 105.5 mHz, has been added for use at Brockport, under the provisions of 47 C.F.R. 73.213. The petition for rule-making which resulted in the placing of the channel at Brockport was filed prior to October 2, 1989.

The transmitter site proposed in this application for the use of Channel 288A at Brockport meets the spacing requirements of the referenced rules section.

The facility will operate with an effective radiated power of 3 kW, and an antenna height above average terrain of 100 meters.

The transmitter site is located within the limits of the community. Therefore, the 3.16 mV/m contour will cover the entire limits as required by the rules.

The studio will be located within the 3.16 mV/m contour, as required.

The proposed service contours have been calculated, and are plotted as Exhibit E-1 of this report. The population served, and the calculated area within the proposed 1.0 mV/m contour will be found as Exhibit E-6.

The FAA has been notified of the proposed tower constrction and Form 7460-1 has been filed with that agency.

RADIATION PROTECTION: This proposal has been evaluated for compliance with FCC guidelines concerning human exposure to radiofrequency radiation. The standards employed are detailed in OST Bulletin No.65, October 1985.

Table 1 of Appendix B was employed for this study concerning FM broadcast radiation protection.

For the effective radiated power and type of antenna proposed,the minimum antenna radiation center above ground is specified as 13.6 meters.

This application proposes an antenna height above ground of at least 99 meters. Therefore, full compliance with the guidelines is attained by the instant application.

In addition to the protection afforded by the proposed antenna height above ground, the facility will be properly marked with signs, and entry to the facility will be restricted by means of locked fencing.

Any other means as may be required to protect employees and the general public will be employed.

EXHIBIT "A"

The proposed transmitter is located within 10 km of existing or proposed FM and/or TV transmitters. This applicant does not believe that any adverse effects on the operation of any existing or proposed facility would result from a grant of this application. The frequency separations, and the physical distance between the facilities should preclude any effects.

In the event such harmful effects are noted, including but not limited to receiver-induced or other types of modulation, the applicant accepts full responsibility for the elimination of any objectionable interference to facilities in existence or authorized or to radio receivers in use prior to grant of this application.

The applicant will take such engineering steps as may be required to satisfy complaints including, but not limited to, the installation of filters, traps, or other devices.

The applicant will comply with the provisions of 47 C.F.R. Sec. 73.318. The proposed transmitter is so located that there is some resident population within the predicted "blanketing" contour, as defined in 47 C.F.R. Section 73.318. While the number of persons potentially affected is minimal, the applicant agrees that full compliance with the procedures and requirements of 73.318(b) and (d) will be attained.

09

EXHIBIT E–1 PROPOSED SERVICE

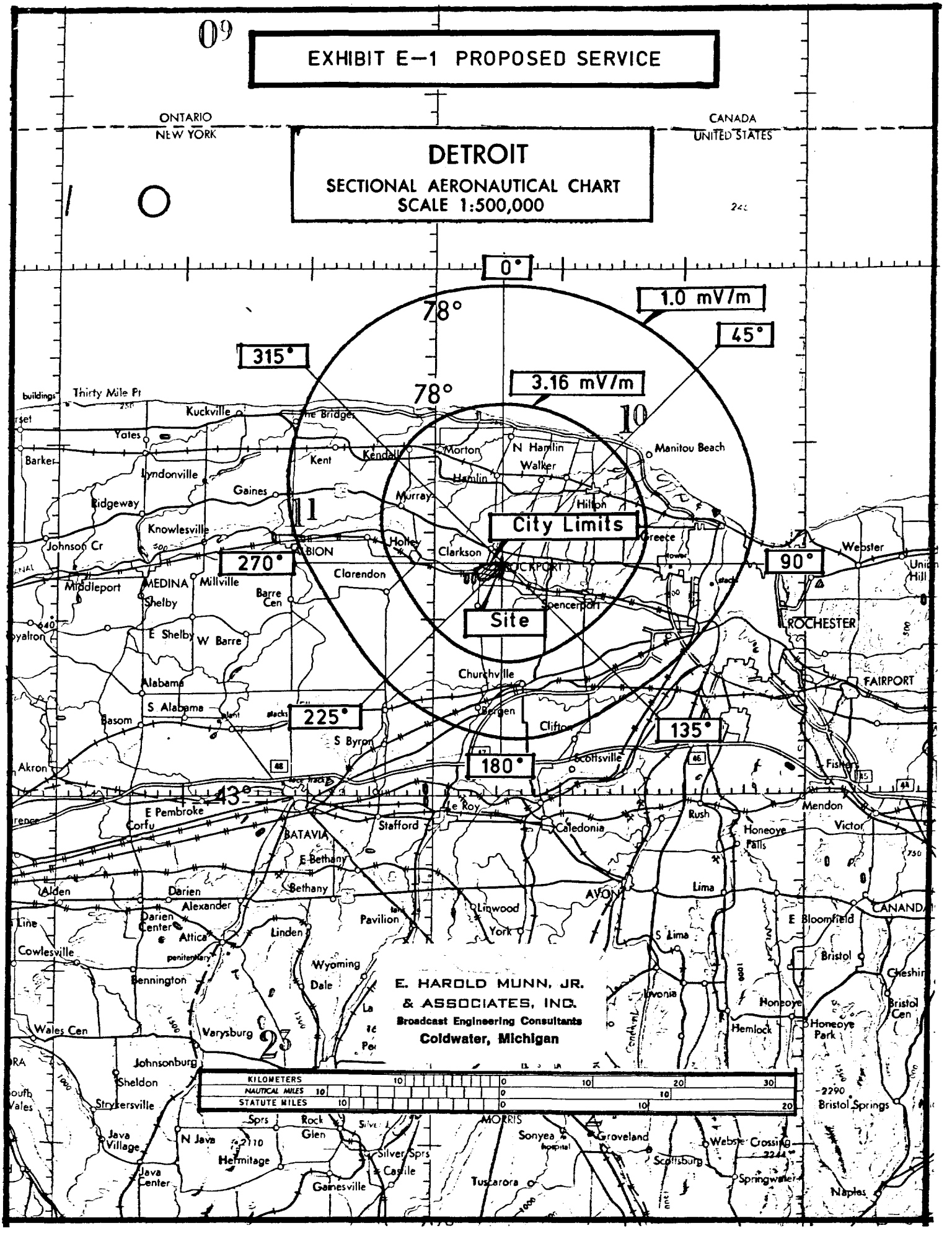


EXHIBIT E-2

ANALYSIS OF TOPOGRAPHIC DATA EMPLOYED

The topographic data employed in this application is based on the National Geophysical Center thirty second point topography data base (TPG-0050).

The averages calculated include 130 points between 3 and 16 km.

The transmitter site elevation was determined by means of 7.5' series topographic mapping. The site coordinates were also developed from the 7.5' series map.

A portion of that map is included in this report as Exhibit E-5.

A detailed topographic analysis using 7.5' topographic maps will be supplied to the Commission if requested.

E. HAROLD MUNN, JR.
& ASSOCIATES, INC.
Broadcast Engineering Consultants
Coldwater, Michigan

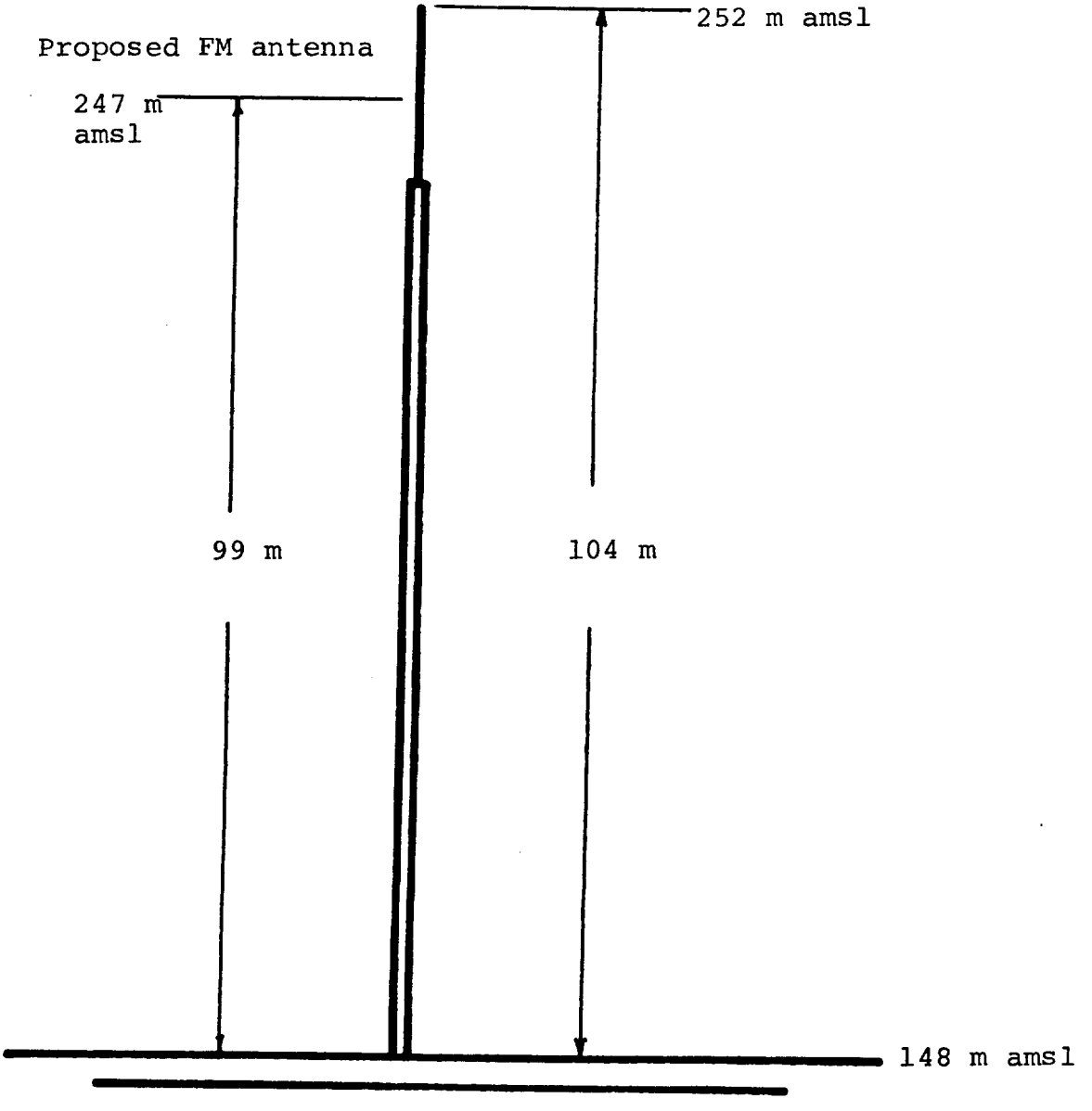
EXHIBIT E-3

VERTICAL PLAN

Single, guyed steel tower to support FM Broadcast antenna for 105.5 mHz, 3 kW ERP

SITE LOCATION

NL 43° 13' 06"
WL 77° 54' 48"
0.7 km east of Havenwood Drive, south side of East Avenue, Brockport, Monroe Co., NY



not to scale

guys not shown

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& ASSOCIATES, INC.
Broadcast Engineering Consultants
Coldwater, Michigan

EXHIBIT E-4

PROPOSED FM OPERATING SPECIFICATIONS

Applicant: LRB Broadcasting, Inc.

Frequency: 105.5 mHz Channel: 288A ERP: 3 kW HAAT: 100 (meters)

Transmitter Location: 0.7 km east of Havenwood Drive on East Avenue
Brockport
County: Monroe

State: New York

Site Coordinates: NL 43° 13' 06"; WL 77° 54' 48" Site Elevation: 148 meters

Proposed Operation:

Effective Radiated Power: 3 (kW)H 3 kW(V)

Height of Antenna Radiation Center Above:

	Average Terrain		Mean Sea Level		Gnd.	
H	100	meters	247	m	99	m
V	100	meters	247	m	99	m

Overall Height of Structure Above Ground: 104 meters
Overall Height of Structure Above Mean Sea Level: 252 meters

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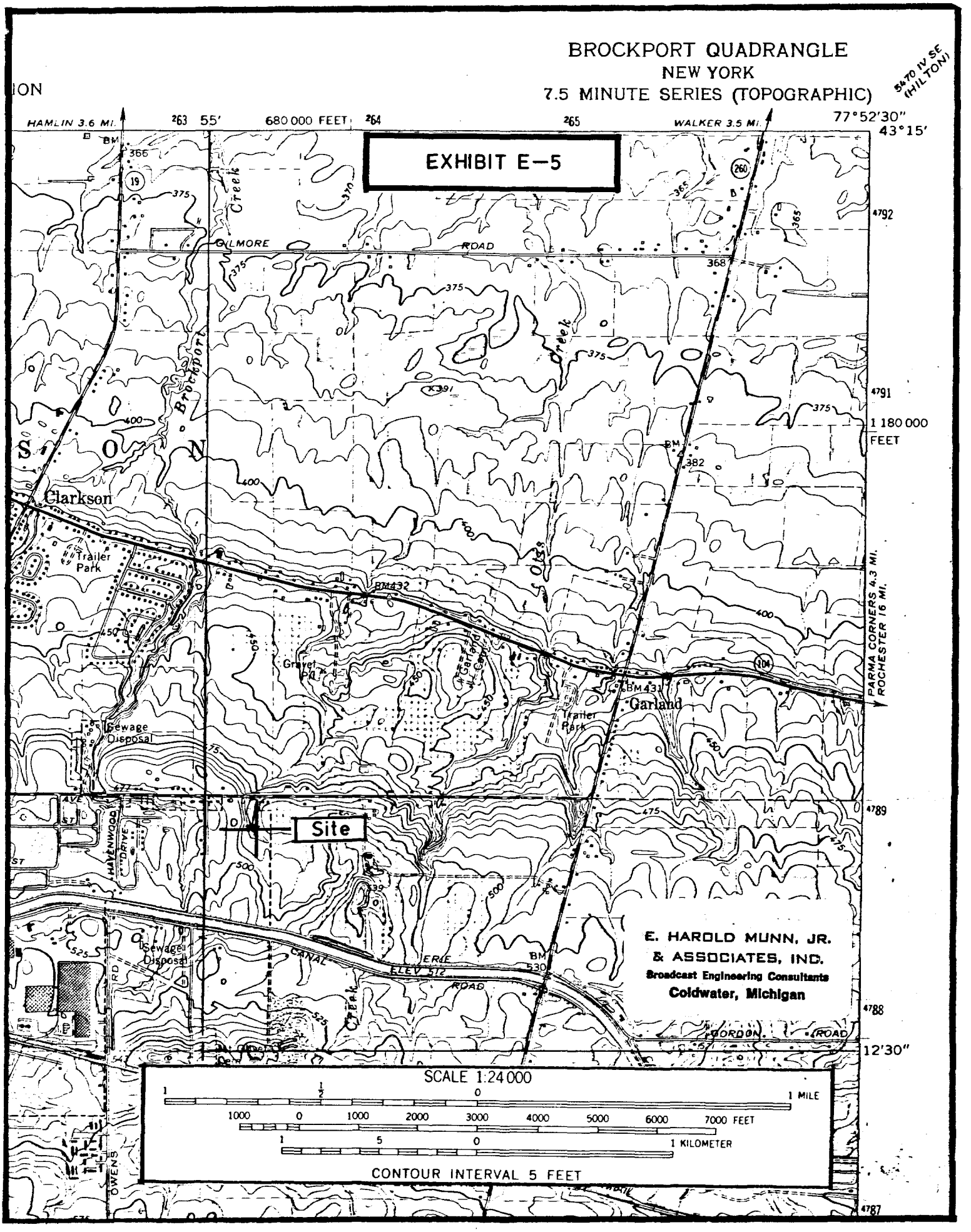
Coldwater, Michigan


BROCKPORT QUADRANGLE
NEW YORK
7.5 MINUTE SERIES (TOPOGRAPHIC)
5470 IV SE (HILTON)
EXHIBIT E-5
HAMLIN 3.6 MI.
WALKER 3.5 MI.
263 55'
680 000 FEET
264
265
77°52'30"
43°15'
GILMORE ROAD
Brockport Creek
Clarkson
Trailer Park
Gravel Pit
Sewage Disposal
Garland
Trailer Park
PARMA CORNERS 4.3 MI.
ROCHESTER 16 MI.
1 180 000 FEET
Site
HAVENWOOD DRIVE
CANAL ROAD
ERIE
ELEV 512
Creek
GORDON ROAD
OWENS RD
E. HAROLD MUNN, JR.
& ASSOCIATES, INC.
Broadcast Engineering Consultants
Coldwater, Michigan
SCALE 1:24000
1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER
CONTOUR INTERVAL 5 FEET

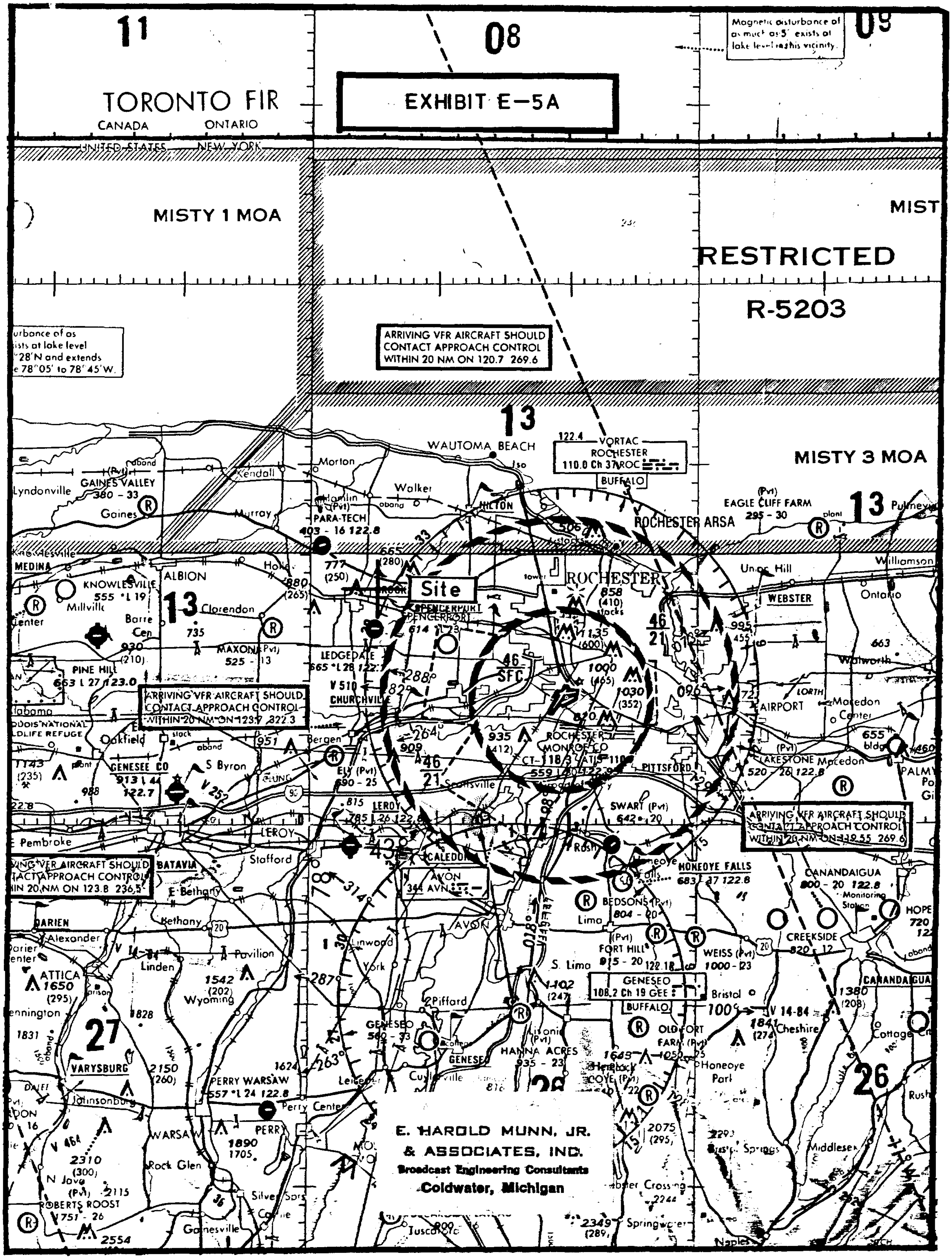


EXHIBIT E-5A
TORONTO FIR
CANADA ONTARIO
UNITED STATES NEW YORK
MISTY 1 MOA
RESTRICTED
R-5203
MISTY 3 MOA
ROCHESTER ARSA
Site
ROCHESTER
ARRIVING VFR AIRCRAFT SHOULD CONTACT APPROACH CONTROL WITHIN 20 NM ON 120.7 269.6
ARRIVING VFR AIRCRAFT SHOULD CONTACT APPROACH CONTROL WITHIN 20 NM ON 123.7 322.3
ARRIVING VFR AIRCRAFT SHOULD CONTACT APPROACH CONTROL WITHIN 20 NM ON 119.55 269.6
VORTAC ROCHESTER 110.0 Ch 37 ROC
BUFFALO
GENESEO 108.2 Ch 19 GEE
WAUTOMA BEACH
SPENCERPORT
CHURCHVILLE
LEROY
BATAVIA
CALEDONIA
AVON
GENESEO
PERRY WARSAW
CANANDAIGUA
WEBSTER
PITTSFORD
HONEOYE FALLS
E. HAROLD MUNN, JR.
& ASSOCIATES, INC.
Broadcast Engineering Consultants
Coldwater, Michigan

EXHIBIT E-6

TABULATION OF POPULATION AND AREA

CONTOUR	POPULATION	AREA
1.0 mV/m	293,299	1,280 sq. km

The population within the 1.0 mV/m contour was determined by superimposing the desired contour onto U.S. Standard Civil Division maps of the 1980 Census, and assuming uniform population distribution within each minor civil division. The data was computer generated. The service area calculation was determined by measurement of the contour map exhibit using a calibrated polar planimeter. The population data above is corrected 1980 Census data.

That portion of the proposed 1.0 mV/m contour which is over Lake Ontario was excluded from the computation of area.